

ABSTRACT

The present invention describes a recombinant of a microorganism that does not inherently utilize an alkane, and an alcohol, whereby the recombinant has acquired an ability to convert the alkane into the alcohol due to transformation with a DNA encoding a methane oxygenase. The present invention describes a method for producing alcohol by culturing the recombinant, and allowing the obtained culture, cells isolated from the culture or processed product of the cells to exist with the alkane to produce the alcohol.